

DECLARATION Utility Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **AN APPARATUS FOR WEIGHING MATERIALS ONLINE** the specification of which

(Check One) ☐ is attached hereto OR
☒ was filed on February 16, 2005 as United States Application Serial No. 10/524,901 or PCT International Application No. _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Date of Filing	Priority Claimed	
			Yes	No
02128861.5	CN	16 August 2002	X	
PCT/CN03/00680	WO	14 August 2003	X	

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as

**POWER OF ATTORNEY
By Assignee**

Tsinghua University, assignee(s) of the application for United States Letters Patent for an improvement in

AN APPARATUS FOR WEIGHING MATERIALS ONLINE

by: **Manchun Liang, Zhikang Zhang, Hongchang Yi, Qian Lin and Yonggeng Qian**

the specification of which:

- ☐ is filed herewith, OR
☒ was filed on February 16, 2005, having U.S. Patent Application Serial No. 10/524,901.

does hereby appoint as my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and transact all business in the United States Patent and Trademark Office, and in countries other than the United States, and to do all things necessary or appropriate therefor before any competent International Authorities in connection with any international patent application(s) corresponding to the above-identified application, all of the registered practitioners identified by:

Customer Number 23639

Please direct all inquiries to **Peter C. Mei**, at the above Customer Number.

I, the undersigned, declare that I have reviewed copies of the documentary evidence establishing chain of title to the patent application identified above from the inventor(s) to the assignee(s), which:

- ☐ is filed for recordation herewith; or
☐ was recorded at Reel _____, Frame _____; or
☒ has been sent for recordation under separate cover, copy attached herewith.

To the best of the undersigned's knowledge and belief, title is in the assignee(s) identified above. Furthermore, the undersigned is empowered to sign this document on behalf of the assignee(s).

Full Name of Assignee: <u>Tsinghua University</u>	
Post Office Address: <u>Tsinghua Yuan, Hai Dian District, Beijing 100084, CHINA</u>	
Signature of Declarant or Assignee: <i>Manchun Liang</i>	Date: <u>Mar. 25, 2005.</u>
Full Name of Declarant If Other Than Assignee:	
Title of Declarant: <u>Vice President</u>	
Address of Declarant: <u>Tsinghua Univ. Beijing. 100084. China</u>	

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, WE, **MANCHUN LIANG**, a citizen of the People's Republic of China, **ZHIKANG ZHANG**, a citizen of the People's Republic of China, **HONGCHANG YI**, a citizen of the People's Republic of China, **QIAN LIN**, a citizen of the People's Republic of China, and **YONGGENG QIAN**, a citizen of the People's Republic of China (hereinafter referred to as "ASSIGNORS"), have invented a certain invention entitled **AN APPARATUS FOR WEIGHING MATERIALS ONLINE** for which application for Letters Patent of the United States of America was filed on February 16, 2005, and assigned U.S. Application No. 10/524,901; and

WHEREAS, **TSINGHUA UNIVERSITY**, having its place of business at **Tsinghua Yuan, Hai Dian District, Beijing 100084, CHINA** (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefore in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNORS hereby authorize and request the United States Commissioner of Patents and Trademark and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Agreement.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application,

said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign county, which may be necessary or desirable to carry out the purpose thereof.

Date: ✓ 22 March 2005

By: Manchun Liang
Manchun Liang

Date: 22 March 2005

By: Zhikang Zhang
Zhikang Zhang

Date: ✓ 22 March 2005

By: Yi Hongchang
Hongchang Yi

Date: ✓ 22 March 2005

By: Lin Qian
Qian Lin

Date: ✓ 22 March 2005

By: Yonggeng Qian
Yonggeng Qian

defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date	Status-Patented, Pending or Abandoned

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

201	FULL NAME OF INVENTOR	FIRST Name Manchun	MIDDLE Initial	LAST Name Liang	
	RESIDENCE & CITIZENSHIP	City Beijing <i>CNY</i>	State or Foreign Country China	Country of Citizenship China	
	POST OFFICE ADDRESS	Department of Engineering Physics, Tsinghua University, Tsinghua Yuan, Hai Dian District	City Beijing	State or Country China	Zip Code 100084
INVENTOR'S SIGNATURE <u>Manchun Liang</u> DATE <u>22 March 2005</u>					

202	FULL NAME OF INVENTOR	FIRST Name Zhikang	MIDDLE Initial	LAST Name Zhang	
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INVENTOR'S SIGNATURE <u>Zhikang Zhang</u> DATE <u>22 March 2005</u>					

203	FULL NAME OF INVENTOR	FIRST Name Hongchang	MIDDLE Initial	LAST Name Yi	
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	POST OFFICE ADDRESS	Department of Engineering Physics, Tsinghua University, Tsinghua Yuan, Hai Dian District	City Beijing	State or Country China	Zip Code 100084
INVENTOR'S SIGNATURE <u>Yi Hongchang</u> DATE <u>22 March 2005</u>					

204	FULL NAME OF INVENTOR	FIRST Name Qian	MIDDLE Initial	LAST Name Lin	
	RESIDENCE & CITIZENSHIP	City Beijing CNX	State or Foreign Country China	Country of Citizenship China	
	POST OFFICE ADDRESS	Department of Engineering Physics, Tsinghua University, Tsinghua Yuan, Hai Dian District	City Beijing	State or Country China	Zip Code 100084
INVENTOR'S SIGNATURE <u>Lin Qian</u> DATE <u>22 March 2005</u>					

205	FULL NAME OF INVENTOR	FIRST Name Yonggeng	MIDDLE Initial	LAST Name Qian	
	RESIDENCE & CITIZENSHIP	City Beijing CNX	State or Foreign Country China	Country of Citizenship China	
	POST OFFICE ADDRESS	Department of Engineering Physics, Tsinghua University, Tsinghua Yuan, Hai Dian District	City Beijing	State or Country China	Zip Code 100084
INVENTOR'S SIGNATURE <u>Yonggeng Qian</u> DATE <u>22 March 2005</u>					

Applicant	Manchun Liang et al.	Attorney Docket No.: NT7044792001
Application No.:	10/524,901	
Int'l Filing Date:	August 14, 2003	
For:	AN APPARATUS FOR WEIGHING MATERIALS ONLINE	

**STATEMENT CLAIMING SMALL ENTITY STATUS
(37 C.F.R. § 1.27(a)(3)(ii)(A)) – NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

Name of Nonprofit Organization: **TSINGHUA UNIVERSITY**

Address: of Nonprofit Organization: **Tsinghua Yuan, Hai Dian District, Beijing 100084 CHINA**

Type of Nonprofit Organization:

- ☒ University or other institution of higher learning
- ☐ Tax exempt under Internal Revenue Service Code
- ☐ Nonprofit scientific or educational under Statute of State of the United States of America
(Name of State: _____)
(Citation of Statute: _____)
- ☐ Would qualify as tax exempt under Internal Revenue Service Code
(26 U.S.C 501(a) and 501(c)(3) if located in the United States of America)
- ☐ Would qualify as Nonprofit scientific or educational under Statute of State of the
United States of America if located in the United States
(Name of State: _____)
(Citation of Statute: _____)

I hereby state that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 C.F.R 1.27(a)(3) for purposes of paying reduced fees to the United States Patent and Trademark Office regarding the invention described in:

- ☐ the specification filed herewith with title as listed above.
- ☒ the application identified above.
- ☐ the patent identified above.

I hereby state that rights under contract or law have been conveyed to and remain with the nonprofit organization regarding the above-identified invention. If the rights held by the nonprofit organization are not exclusive, each individual, concern, or organization having rights in the invention must file separate statements as to their status as small entities and that no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 C.F.R 1.27(a)(1) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 C.F.R 1.27(a)(2) or a nonprofit organization under 37 C.F.R 1.27(a)(3).

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate (37 C.F.R. § 1.27(g)(1)).

Name of person signing: Kang, Kejun
 Title in organization of person signing: Vice President
 Address of person signing: Tsinghua Univ. Beijing. 100084. China

Signature: x Kang Ky'm. Date: ✓ Mar. 25. 2005.